

CLAIMS

1. A magnetic recording/reproducing apparatus for recording and reproducing a video signal and an information signal on and from a magnetic tape,

5 comprising:

first means for encoding an information signal including a magnetic tape identification information signal and an attribute information signal relevant to a video signal to be recorded on said magnetic tape in
10 a same format as a teletext information signal of a television text broadcast to be displayed in the form of a caption on a television screen and superposing said information signal on said video signal in vertical blanking intervals at a position differing
15 from a horizontal synchronizing position at which said teletext information signal is superposed and recording the encoded information signal of said video signal and said information signal on said magnetic tape;

second means for storing said information
20 signal in storage means upon recording said video signal and said information signal on said magnetic tape;

third means for decoding said information signal superposed on said video signal upon
25 reproduction thereof from said magnetic tape by changing the horizontal synchronizing position for decoding said teletext information signal;

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fourth means for discriminatively identifying whether said magnetic tape identification information signal contained in said information signal as decoded coincides with the corresponding magnetic tape identification information signal stored in said storage means; and

fifth means responsive to coincidence of said magnetic tape identification signal for thereby outputting to a television display screen at least a part of said attribute information signal contained in said information signal stored in said storage means and corresponding to the magnetic tape to be played back.

2. A magnetic recording/reproducing apparatus for recording and reproducing a video signal and an information signal on and from a magnetic tape, comprising:

first means for encoding an information signal including a magnetic tape identification information signal indicative of a manufacture number of said magnetic recording/reproducing apparatus and an attribute information signal relevant to a video signal to be recorded on said magnetic tape by superposing said information signal on said video signal in vertical blanking intervals of said video signal and recording the encoded information signal of said video signal and said information signal on a magnetic tape;

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second means for storing said information signal in storage means upon recording said video signal and said information signal on said magnetic tape;

5 third means for decoding said information signal superposed on said video signal upon reproduction thereof from said magnetic tape;

 fourth means for discriminatively identifying whether said manufacture number contained in said
10 information signal as decoded coincides with the corresponding manufacture number stored in said storage means; and

 fifth means responsive to coincidence of said manufacture numbers for thereby outputting to a
15 television display screen at least a part of said attribute information signal contained in said information signal stored in said storage means and corresponding to the magnetic tape to be played back.

3. A magnetic recording/reproducing apparatus for
20 recording and reproducing a video signal and an information signal on and from a magnetic tape, comprising:

 first means for encoding an information signal including a magnetic tape identification information
25 signal containing a manufacture number of said magnetic recording/reproducing apparatus and an attribute information signal relevant to a video signal to be

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- recorded on said magnetic tape in a same format as a
teletext information signal of a television text
broadcast to be displaced in the form of a caption on a
television screen and superposing said information
5 signal on said video signal in vertical blanking
intervals of said video signal at a position differing
from a horizontal synchronizing position at which said
character information signal is superposed and
recording the encoded information signal of said video
10 signal and said information signal on a magnetic tape;
second means for storing said information
signal in storage means upon recording said video
signal and said information signal on said magnetic
tape;
15 third means for decoding said information
signal superposed on said video signal upon
reproduction thereof from said magnetic tape by
changing a horizontal synchronizing position for
decoding said character information signal;
20 fourth means for discriminatively identifying
whether said manufacture number contained in said
information signal as decoded coincides with the
corresponding manufacture number stored in said storage
means; and
25 fifth means responsive to coincidence of said
magnetic tape identification signal for thereby
outputting to a television display screen at least a

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part of said attribute information signal contained in said information signal stored in said storage means and corresponding to the magnetic tape to be played back.

- 5 4. A magnetic recording/reproducing apparatus for recording and reproducing a video signal and an information signal on and from a magnetic tape, comprising:

first means for encoding an information signal
10 containing a magnetic tape identifying information signal and an attribute information signal relevant to a video signal to be recorded on said magnetic tape by superposing said information signal onto said video signal in vertical blanking intervals and recording
15 said encoded information on said magnetic tape;

second means for storing said information signal in storage means upon recording said video signal and said information signal on said magnetic tape;

20 third means for playing back said magnetic tape and decoding said information signal superposed on said video signal;

fourth means for discriminatively identifying whether said magnetic tape identification information
25 signal contained in said decoded information signal coincides with the corresponding magnetic tape identification information signal stored in said storage means;

fifth means responsive to coincidence of said magnetic tape identification information signal for outputting said attribute information signal corresponding to a plurality of programs recorded on said magnetic tape to be played back onto a television screen to be displayed in lines on a program-by-program basis; and

sixth means for selecting a program displayed in a particular one of said lines from those displayed on said television screen in lines, respectively.

5. A magnetic recording/reproducing apparatus according to claim 4,

further comprising:

seventh means for counting a recording time on a program-by-program basis upon recording said video signal and said information signal on said magnetic tape; and

eighth means responsive to lapse of said recording time by a predetermined time for thereby adding a first identification signal indicative of said lapse to said information signal to be stored in said storage means.

6. A magnetic recording/reproducing apparatus according to claim 5,

wherein upon reproduction of said video signal and said information signal for a given program from said magnetic tape at least for a duration corresponding to a predetermined proportion of said

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recording time of said given program, said eighth means rewrites said first identification signal only for said program into a second identification signal to be stored in said storage means,

5 further comprising:

ninth means for displaying said first identification signal and/or said second identification signal in the form of symbols line by line for every program displayed on the television screen.

10 7. A magnetic recording/reproducing apparatus for recording and reproducing a video signal, a sound signal and an information signal on and from a magnetic tape, comprising:

first means for encoding an information signal
15 containing a magnetic tape identifying information signal, an attribute information signal relevant to a video signal to be recorded on said magnetic tape and a sound identifying signal for discriminatively identifying whether said sound signal is in a bilingual
20 mode or in a stereophonic mode by superposing said information signal onto said video signal in vertical blanking intervals of said video signal and recording said encoded information together with said sound signal on said magnetic tape;

25 second means for storing said information signal in storage means upon recording said video signal and said information signal on said magnetic tape;

third means for playing back said magnetic tape and decoding said information signal superposed on said video signal;

fourth means for discriminatively identifying
5 whether said magnetic tape identification information
signal contained in the decoded information signal
coincides with the corresponding magnetic tape
identification information signal stored in said
storage means; and

10 fifth means responsive to coincidence of said
magnetic tape identification information signals for
thereby checking said sound identification signal
contained in said information signal stored in said
storage means to thereby change over a sound
15 reproduction circuit for reproducing said sound signal
either to a bilingual sound mode or to a stereophonic
mode in dependence on content of said sound
identification signal.

8. A magnetic recording/reproducing apparatus for
20 recording and reproducing a video signal and an
information signal on and from a magnetic tape,
comprising:

first means for encoding an information signal
containing a magnetic tape identifying information
25 signal and an attribute information signal relevant to
a video signal to be recorded on said magnetic tape by
superposing said information signal onto said video

signal in vertical blanking intervals and recording
said encoded information on said magnetic tape;

second means for playing back said magnetic
tape and decoding said information signal superposed on
5 said video signal;

third means for playing back said magnetic
tape to thereby extract a program attribute information
signal as recorded and contained in said information
signal reproduced from said magnetic tape, said program
10 attribute information signal being stored in storage
means; and

fourth means for automatically recording on
said magnetic tape those programs which belong to a
given series and broadcast in succession periodically
15 at a predetermined interval (e.g. on a week-by-week
basis) by referencing said program attribute
information signal.

9. A magnetic recording/reproducing apparatus
according to claim 1,

20 wherein said third means includes selecting
means for selecting exchangeably said information
signal or said teletext information signal;

further comprising:

sixth means for displaying said teletext
25 information signal as a caption on a television screen,
upon selection of teletext information signal by said
selecting means.

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10. A magnetic recording/reproducing apparatus for recording and reproducing a video signal and an information signal on and from a magnetic tape, comprising:

5 first means for encoding an information signal containing a magnetic tape identifying information signal and an attribute information signal relevant to a video signal to be recorded on said magnetic tape by superposing said information signal onto said video
10 signal in vertical blanking intervals and recording said encoded information on said magnetic tape;

second means for storing said information signal in storage means upon recording said video signal and said information signal on said magnetic
15 tape;

third means for playing back said magnetic tape and decoding said information signal superposed on said video signal;

fourth means for discriminatively identifying
20 whether said magnetic tape identification information signal contained in said decoded information signal coincides with the corresponding magnetic tape identification information signal stored in said storage means;

25 fifth means responsive to coincidence of said magnetic tape identification information signal for thereby displaying said attribute information signals which correspond to a plurality of programs recorded on

said magnetic tape to be played back and which are
contained in said information signal stored in said
storage means on a television screen in the form of
lines, respectively, on a program-by-program basis
5 while displaying program identifiers of said plurality
of programs in the form of a band graph;

sixth means for selecting a given one from
those displayed in lines and said band graph on said
television screen; and

10 seventh means for setting a same color as
background colors for said selected program display
line and said selected area of said band graph,
respectively.

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